

SCIENCE **First Grade**

LIFE SCIENCE STANDARDS

Cell Structure and Function

The student will investigate the structure and function of plant and animal cells.

Key	Reporting Category		WILD Activity
I		Use magnifiers to observe smaller parts of larger objects.	
D		Observe and describe what happens when an object loses a part.	

Interactions Between Living Things and Their Environment

The student will investigate how living things interact with one another and with nonliving elements of their environment.

D		Use the senses to explore the environment.	Wildlife is Everywhere, p.W51 Learning to Look, Looking to See, p.W278
I		Collect information about organisms that occupy specific environments.	Graphananimal, p.W49
I		Provide examples of pollutants in a specific environment.	Plastic Jellyfish, p.AW128

Food Production and Energy for Life

The student will study the basic parts of plants, investigate how plants produce food, and discover that plants and animals use food to sustain life.

I		Recognize the basic needs of living things (e.g., food, water, sunlight, and air).	Habitacks, p.W53 What's That, Habitat?, p.W56 Beautiful Basics, p.W58 Everybody Needs a Home, p.W59
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Diversity and Adaptation Among Living Things

The student will understand that living things have characteristics that enable them to survive in their environment.

I		Observe and note differences among plants and animals of the same kind.	What Bear Goes Where?, p.W118
D		Recognize the environment in which an organism is typically found.	Graphananimal, p.W49

Earth and Its Place in the Universe

The student will investigate the structure of the universe.

D		Distinguish between objects that appear in the day and nighttime sky.	
I		Recognize that the moon is the closest object in the sky.	
I		Recognize that there are tools for observing objects in the day and nighttime sky.	
D		Observe and illustrate the position of the sun at different times of the day.	
I		Recognize that shadows change length and position during the course of a day.	

Atmospheric Cycles

The student will investigate the relationships among atmospheric conditions, weather, and climate.

KEY

I = Introduced D = Developing A = State Assessed M = Mastered

REPORTING CATEGORY

SF = Structure & Function of Organisms ME = Motion & Forces, Forms of Energy E = Ecology M = Matter
LC = Life Cycles & Biological Change ER = Earth Features & Resources SC = Space, Weather, & Climate

Note: "A" indicates the state curriculum (CRT) assessment only.
All the skills ("I"... "D"... "A"... "M") are addressed in the classroom assessment.

D		Recognize that weather conditions are constantly changing.	
I		Describe weather patterns associated with the seasons.	
D		Associate temperature, precipitation, and wind conditions with various types of weather.	
I		Identify the appropriate tool for measuring temperature, precipitation, and wind speed/direction.	

Earth Features

The student will understand that the earth has many geological features that are constantly changing.

I		Distinguish between land and water environments.	What's Wild?, p.W7 (Extension)
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Earth Resources

The student will investigate the properties, uses, and conservation of earth's resources.

D		Use observable properties to distinguish among a variety of earth materials.	
D		Identify ways that earth resources benefit man.	

PHYSICAL SCIENCE STANDARDS

Forces and Motion

The student will investigate the effects of force on the movement of objects.

D		Observe and describe how the movement of an object can be changed (e.g., push/pull, fast/slow).	
I		Recognize objects that are balanced.	

Structure and Properties of Matter

The student will investigate the characteristic properties of matter.

D		Compare objects according to weight, length, and size.	
I		Distinguish between solids and liquids.	

Interactions of Matter

The student will investigate the interactions of matter.

I		Observe and describe changes that can occur when two materials interact.	
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Energy

The student will investigate energy and its uses.

D		Describe the effect of the sun's energy on different materials.	
D		Classify sounds according to their basic characteristics (e.g., loud/soft, natural/man/made).	

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